Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

EMB

"FIRST AND FINAL BILL"

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

PRE-MEASUREMENT

"FIRST AND FINAL BILL"

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet -10-03-24 - 10-04-24.

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	1							
Item Name:	Labour charges for Lifting of non functioning submersible pump set along with cable and GI pipes (Each length = 6m)). for 50 mm as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For Existing Borewell							
	Nagenahalli at RO Plant	1				1.00	
	ISRO Layout Phase II	1				1.00	
	1st Cross Road, Kechenahalli	1				1.00	
	Total Quantity					3.00	Job
	Quantity Carried to Summary					3.00	Job

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka. Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 10-03-24 - 10-04-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	2							
Item Name:	Labour charges for Erection of new / repaired submersible pump set along with GI pipes (32mm / 50mm), cable (New submersible pump set if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (Each length = 6 m)as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For Existing Borewell							
	Nagenahalli at RO Plant	1				1.00	
	ISRO Layout Phase II	1				1.00	
	1st Cross Road, Kechenahalli	1				1.00	
	Total Quantity					3.00	Job
	Quantity Carried to Summary					3.00	Job

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 20-03-24 - 10-04-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	5							
Item Name:	Fabricating supplying and mounting MS box made out 14SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete., as per the Directions of Egineer In-Charge.1200x850x2=2040000, 850x350x2=595000, (350+450)/2=400, 400x1200=480000, 480000x2=960000, 3595000/100=35950Sqcm							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For Existing Borewell							
	Nagenahalli at RO Plant	1	35950.00			35950.00	
	ISRO Layout Phase II	1	35950.00			35950.00	
	1st Cross Road, Kechenahalli	1	35950.00			35950.00	
	Total Quantity					107850.00	Sqcm
	Quantity Carried to Summary					107850.00	Sqcm

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 10-03-24 - 10-04-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	6							
Item Name:	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. Flat.....with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40 x 40 x 6 mm as per the Directions of Egineer In-Charge. (Per leg 2. 5MtrX2 Nos legs)-5.00 Mtr Per Box							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For Existing Borewell							
	Nagenahalli at RO Plant	1	5.00			5.00	
	ISRO Layout Phase II	1	5.00			5.00	
	1st Cross Road, Kechenahalli	1	5.00			5.00	
	Total Quantity					**15.00**	**Mtrs**
	Quantity Carried to Summary					**15.00**	**Mtrs**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 10-03-24 - 10-04-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	7							
Item Name:	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws. F) 20" x 20" x 2.5" (as per the Directions of Egineer In-Charge.							
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Pre-Measurement Recorded On:								
For Existing Borewell								
Nagenahalli at RO Plant		1				1.00		
ISRO Layout Phase II		1				1.00		
1st Cross Road, Kechenahalli		1				1.00		
	Total Quantity					3.00	Each	
	Quantity Carried to Summary					3.00	Each	

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 10-03-24 – 10-04-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	9							
Item Name:	Supplying & fixing of Porcelain fuse channel with cutout on existing wooden/panel using necessary nuts, bolts and washers as per the Directions of Egineer In-Charge.							
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**REMARKS**	
Pre-Measurement Recorded On:								
For Existing Borewell								
	Nagenahalli at RO Plant	1				1.00		
	ISRO Layout Phase II	1				1.00		
	1st Cross Road, Kechenahalli	1				1.00		
	Total Quantity					3.00	Each	
	Quantity Carried to Summary					3.00	Each	

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Ban...

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 10-03-24 - 10-04-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	10							
Item Name:	Earthing: Suppluing and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts,nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For Existing Borewell							
	Nagenahalli at RO Plant	1				1.00	
	ISRO Layout Phase II	1				1.00	
	1st Cross Road, Kechenahalli	1				1.00	
	Total Quantity					3.00	**Nos**
	Quantity Carried to Summary					3.00	**Nos**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 10-03-24 - 10-04-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	12							
Item Name:	Providing Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications, to work site as per necessary ammendments and instructions of engineer incharge of work as per the Directions of Egineer In-Charge. 10.00 HP - 90 LPM @ 220 m = 20 STG Outlet Dia - 2.00" as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For Existing Borewell							
	Nagenahalli at RO Plant	1				1.00	
	ISRO Layout Phase II	1				1.00	
	1st Cross Road, Kechenahalli	1				1.00	
	Total Quantity					3.00	**Nos**
	Quantity Carried to Summary					3.00	**Nos**

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn.)
Yelahanka, Bangalo

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 10-03-24 - 10-04-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	13							
Item Name:	Supply, installing,testing and commissioning COMMON control panel consisting of the following INCOMING:1 No set of Phase indicating lamps with SFU of suitable rating 1 No, Analog Ammeter, 1 No Analog Voltmeter 1ni with Phase selector switch, Isolating switch OUTGOING for Main Electrical Pump: 1 No. MCB 1 No. DOL of S/D Starter suitable for respective HP 1 No. Electrcal Protection Like single Phase preventor, under voltage over Volage, under current over current & dry run protection suitable for the pump described above 1 no Indoor type NOTE: 1) DOL- Direct Online Starter 2) S-D- Star Delta Starter etc. complete.6 to 15 HP pumps as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For Existing Borewell							
	Nagenahalli at RO Plant	1				1.00	
	ISRO Layout Phase II	1				1.00	
	1st Cross Road, Kechenahalli	1				1.00	
	Total Quantity					3.00	**Each**
	Quantity Carried to Summary					3.00	**Each**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 10-03-24 - 10-04-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	14							
Item Name:	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50mm dia as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For Existing Borewell							
	Nagenahalli at RO Plant	7	—	—	—	7.00	
	ISRO Layout Phase II	5	—	—	—	5.00	
	1st Cross Road, Kechenahalli	8	—	—	—	8.00	
	Total Quantity					20.00	Each
	Quantity Carried to Summary					20.00	Each

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 10-03-24 - 10-04-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	15							
Item Name:	Supply and delivery at site wrought middle steel (galvanized) GI union confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union as per the Directions of Egineer In-Charge.							
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**REMARKS**	
Pre-Measurement Recorded On:								
For Existing Borewell								
	Nagenahalli at RO Plant	6				6.00		
	ISRO Layout Phase II	6				6.00		
	1st Cross Road, Kechenahalli	8				8.00		
	Total Quantity					20.00	**Each**	
	Quantity Carried to Summary					20.00	**Each**	

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 10-03-24 - 10-04-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	16							
Item Name:	Supply and delivery at site wrought middle steel (galvanized) GI elbow confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union as per the Directions of Egineer In-Charge..							
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**REMARKS**	
Pre-Measurement Recorded On:								
For Existing Borewell								
	Nagenahalli at RO Plant	8				8.00		
	ISRO Layout Phase II	5				5.00		
	1st Cross Road, Kechenahalli	7				7.00		
	Total Quantity					20.00	Each	
	Quantity Carried to Summary					20.00	Each	

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 10-03-24 - 10-04-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	17							
Item Name:	Supply and delivery at site wrought middle steel (galvanized) GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI hexagonal nipple as per the Directions of Egineer In-Charge.							
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**REMARKS**	
Pre-Measurement Recorded On:								
For Existing Borewell								
	Nagenahalli at RO Plant	9				9.00		
	ISRO Layout Phase II	5				5.00		
	1st Cross Road, Kechenahalli	6				6.00		
	Total Quantity					**20.00**	**Each**	
	Quantity Carried to Summary					**20.00**	**Each**	

Ramadan Jeevan
Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ontractor

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 09-07-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	20							
Item Name:	Cutting Asphalt /Concrete road surface using machine cutter for leakage pit with earth work excavation in all classifications of soil including all lead and lifts bailing out water with pumps including barricading, danger lighting etc., as per requirement and disposing of the excavated stuff as directed. After attending the leak, refilling the trench for 30 cm depth quarry dust above and around pipelines and balance with available earth in layers not exceeding 20 cms in depth, compacting Each deposited layer by ramming including watering and consolidation by mechanical means approved by Engineer Incharge. (Work to be carried out as per leak repair manual and the rate includes hire charges of dewatering Pump, tractor, Jeep with all kinds of Labour in a Complete manner) as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For Pipe Line							
Temple Road from RO Plant in Srinivasapura							
Ch 0.00 to 30.00m		1	30.00	0.60	0.15	2.70	
Ch 30.00 to 60.00m		1	30.00	0.60	0.15	2.70	
Ch 60.00 to 90.00m		1	30.00	0.60	0.15	2.70	
Ch 90.00 to 120.00m		1	30.00	0.60	0.15	2.70	
Ch 120.00 to 150.00m		1	30.00	0.60	0.15	2.70	

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Ch 0.00 to 30.00m		1	30.00	0.60	0.15	2.70	
Ch 30.00 to 60.00m		1	30.00	0.60	0.15	2.70	
Ch 60.00 to 90.00m		1	30.00	0.60	0.15	2.70	
Ch 90.00 to 120.00m		1	30.00	0.60	0.15	2.70	
Ch 120.00 to 150.00m		1	30.00	0.60	0.15	2.70	
Ch 150.00 to 180.00m		1	30.00	0.60	0.15	2.70	
Ch 180.00 to 210.00m		1	30.00	0.60	0.15	2.70	
Ch 210.00 to 238.00m		1	28.00	0.60	0.15	2.52	
	Total Quantity					166.14	Cum
	Quantity Carried to Summary					166.14	Cum

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Jagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 09-07-24.

1st & Final Bill

me of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

m No.	21							
Item lame:	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. In all kinds of soils. Depth upto 1.50m as per the Directions of Egineer In-Charge.							
L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Pre-Measurement Recorded On:								
r Pipe Line								
mple Road from RO Plant in Srinivasapura								
	Ch 0.00 to 30.00m	1	30.00	0.60	0.30	5.40		
	Ch 30.00 to 60.00m	1	30.00	0.60	0.30	5.40		
	Ch 60.00 to 90.00m	1	30.00	0.60	0.30	5.40		
	Ch 90.00 to 120.00m	1	30.00	0.60	0.30	5.40		
	Ch 120.00 to 150.00m	1	30.00	0.60	0.30	5.40		

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka. Bangalore

ntractor

Assistant Engineer

Assistant Executive Engineer

L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Ch 0.00 to 30.00m		1	30.00	0.60	0.30	5.40	
Ch 30.00 to 60.00m		1	30.00	0.60	0.30	5.40	
Ch 60.00 to 90.00m		1	30.00	0.60	0.30	5.40	
Ch 90.00 to 120.00m		1	30.00	0.60	0.30	5.40	
Ch 120.00 to 150.00m		1	30.00	0.60	0.30	5.40	
Ch 150.00 to 180.00m		1	30.00	0.60	0.30	5.40	
Ch 180.00 to 210.00m		1	30.00	0.60	0.30	5.40	
Ch 210.00 to 238.00m		1	28.00	0.60	0.30	5.04	
	Total Quantity					332.28	Cum
	Quantity Carried to Summary					332.28	Cum

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 12-07-24

1st & Final Bill

e of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

n No.	22							

em
me:

Providing PVC ringtite pipes conforming to IS 985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. complete For: PVC pipes 50mm dia., 6 kg/sqcm & class 5 as per the Directions of Egineer In-Charge.

NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
Pipe Line							
nple Road from RO Plant in Srinivasapura							
Ch 0.00 to 30.00m		1	30.00			30.00	
Ch 30.00 to 60.00m		1	30.00			30.00	
Ch 60.00 to 90.00m		1	30.00			30.00	
Ch 90.00 to 120.00m		1	30.00			30.00	
Ch 120.00 to 150.00m		1	30.00			30.00	

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Yn.k. Zn)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Executive Engineer

NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	Ch 0.00 to 30.00m	1	30.00			30.00	
	Ch 30.00 to 60.00m	1	30.00			30.00	
	Ch 60.00 to 90.00m	1	30.00			30.00	
	Ch 90.00 to 120.00m	1	30.00			30.00	
	Ch 120.00 to 150.00m	1	30.00			30.00	
	Ch 150.00 to 180.00m	1	30.00			30.00	
	Ch 180.00 to 210.00m	1	30.00			30.00	
	Ch 210.00 to 238.00m	1	28.00			28.00	
	Total Quantity					1846.00	Rmtr
	Quantity Carried to Summary					1846.00	Rmtr

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

tractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-07-24

1st & Final Bill

e of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

No.	23							
em me:	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m, and lift upto 1.5 m. Including cost of all labour complete as per specifications as per the Directions of Egineer In-Charge.							
NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**REMARKS**	
Pre-Measurement Recorded On:								
Pipe Line								
ple Road from RO Plant in Srinivasapura								
	Ch 0.00 to 30.00m	1	30.00	0.60	0.23	4.14		
	Ch 30.00 to 60.00m	1	30.00	0.60	0.23	4.14		
	Ch 60.00 to 90.00m	1	30.00	0.60	0.23	4.14		
	Ch 90.00 to 120.00m	1	30.00	0.60	0.23	4.14		
	Ch 120.00 to 150.00m	1	30.00	0.60	0.23	4.14		
	Ch 150.00 to 156.00m	1	6.00	0.60	0.23	0.83		
inivasapra Road From Sai hirumala Provision Store								
	Ch 0.00 to 30.00m	1	30.00	0.60	0.23	4.14		

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

tractor

Assistant Engineer

Assistant Executive Engineer

D	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	h 90.00 to 120.00m	1	30.00	0.60	0.23	4.14	
	120.00 to 150.00m	1	30.00	0.60	0.23	4.14	
	h 150.00 to 180.00m	1	30.00	0.60	0.23	4.14	
	h 180.00 to 210.00m	1	30.00	0.60	0.23	4.14	
	h 210.00 to 238.00m	1	28.00	0.60	0.23	3.86	
	Total Quantity					254.75	Cum
	Quantity Carried to Summary					254.75	Cum

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

tractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 18-07-24

1st & Final Bill

e of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

No.	24							
em me:	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per the Directions of Egineer In-Charge.							
NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Pre-Measurement Recorded On:								
Pipe Line								
nple Road from RO Plant in Srinivasapura								
	Ch 0.00 to 30.00m	1	30.00	0.60	0.10	1.80		
	Ch 30.00 to 60.00m	1	30.00	0.60	0.10	1.80		
	Ch 60.00 to 90.00m	1	30.00	0.60	0.10	1.80		
	Ch 90.00 to 120.00m	1	30.00	0.60	0.10	1.80		
	Ch 120.00 to 150.00m	1	30.00	0.60	0.10	1.80		
	Ch 150.00 to 156.00m	1	6.00	0.60	0.10	0.36		
rinivasapra Road From Sai Thirumala Provision Store								

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Executive Engineer

O	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	Ch 60.00 to 90.00m	1	30.00	0.60	0.10	1.80	
	Ch 90.00 to 120.00m	1	30.00	0.60	0.10	1.80	
	h 120.00 to 150.00m	1	30.00	0.60	0.10	1.80	
	h 150.00 to 180.00m	1	30.00	0.60	0.10	1.80	
	h 180.00 to 210.00m	1	30.00	0.60	0.10	1.80	
	h 210.00 to 238.00m	1	28.00	0.60	0.10	1.68	
	Total Quantity					110.76	Cum
	Quantity Carried to Summary					110.76	Cum

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ctor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 20-07-24

1st & Final Bill

e of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

No.	25							

em
me:

Providing and laying in position Cement Concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates as per the directions of the Engineer-in-charge of the work as per the Directions of Egineer In-Charge.

NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
Pipe Line							
nple Road from RO Plant in Srinivasapura							
Ch 0.00 to 30.00m		1	30.00	0.60	0.15	2.70	
Ch 30.00 to 60.00m		1	30.00	0.60	0.15	2.70	
Ch 60.00 to 90.00m		1	30.00	0.60	0.15	2.70	
Ch 90.00 to 120.00m		1	30.00	0.60	0.15	2.70	
Ch 120.00 to 150.00m		1	30.00	0.60	0.15	2.70	

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Executive Engineer

NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Ch 0.00 to 30.00m		1	30.00	0.60	0.15	2.70	
Ch 30.00 to 60.00m		1	30.00	0.60	0.15	2.70	
Ch 60.00 to 90.00m		1	30.00	0.60	0.15	2.70	
Ch 90.00 to 120.00m		1	30.00	0.60	0.15	2.70	
Ch 120.00 to 150.00m		1	30.00	0.60	0.15	2.70	
Ch 150.00 to 180.00m		1	30.00	0.60	0.15	2.70	
Ch 180.00 to 210.00m		1	30.00	0.60	0.15	2.70	
Ch 210.00 to 238.00m		1	28.00	0.60	0.15	2.52	
	Total Quantity					166.14	Cum
	Quantity Carried to Summary					166.14	Cum

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 12-03-24.

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	26							
Item Name:	Geophysical investigation at site for sinking borewells for Providing drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test. etc. complete as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
New Borewells							
	3rd Cross Road, Akash Vihar Layout	1				1.00	
	Burial Ground in Srinivasapura	1				1.00	
	Vishwaraniyagar	1				1.00	
	In KEB Layout, B Block	1				1.00	
	Srinivasapura Ramappa layout	1				1.00	
	Total Quantity					5.00	Each
	Quantity Carried to Summary					5.00	Each

Contractor

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP) Yelahanka Zone
Bangalore

Assistant Executive Engineer
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

me of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at nahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 – 20-06-24

1st & Final Bill

e of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

No.	27							

Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) (Above 450m of drilling add 10% for every 50m depth) as per the Directions of Egineer In-Charge.a) 0.00 to 50.00 mtrs as per the Directions of Egineer In-Charge.

NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
New Borewells							
	Cross Road, Akash Vihar Layout	1	50.00			50.00	
	At Burial Ground in Srinivasapura	1	50.00			50.00	
	Vishwa Vani Nagara	1	50.00			50.00	
	n KEB Layout, B Block	1	50.00			50.00	
	Srinivasapura Ponnappa layout	1	50.00			50.00	
					Total Quantity	250.00	mtr
					Quantity Carried to Summary	250.00	mtr

Executive Engineer
Yelahanka Division
B.B.M.P Bangalore-64

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

ame of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at nahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

e of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

No.	28							
m ne:	b) 50.00 to 100.00 mtrs as per the Directions of Egineer In-Charge.							

NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
ew Borewells							
	Cross Road, Akash Vihar Layout	1	50.00			50.00	
	At Burial Ground in Srinivasapura	1	50.00			50.00	
	Vishwa Vani Nagara	1	50.00			50.00	
	n KEB Layout, B Block	1	50.00			50.00	
	Srinivasapura Ponnappa layout	1	50.00			50.00	
	Total Quantity					250.00	mtr
	Quantity Carried to Summary					250.00	mtr

Executive Engineer
Yelahanka Division
B.B.M.P Bangalore-64

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

me of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at nahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

e of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

No.	29							
m ne:	c) 100.00 to 150.00 mtrs as per the Directions of Egineer In-Charge.							

NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
lew Borewells							
	Cross Road, Akash Vihar Layout	1	50.00			50.00	
	At Burial Ground in Srinivasapura	1	50.00			50.00	
	Kahva Vani Nagara	1	50.00			50.00	
	KEB Layout, B Block	1	50.00			50.00	
	Srinivasapura Ramappa layout	1	50.00			50.00	
	Total Quantity						
	Quantity Carried to Summary					250.00	mtr
						250.00	mtr

Executive Engineer
Yelahanka Division
B.B.M.P Bangalore

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

ame of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at nahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

e of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

No.	30							
m ne:	d) 150.00 to 200.00 mtrs as per the Directions of Egineer In-Charge.							

NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
lew Borewells							
	Cross Road, Akash Vihar Layout	1	50.00			50.00	
	At Burial Ground in Srinivasapura	1	50.00			50.00	
	Vashwa Vani Nagara Srinivasapura	1	50.00			50.00	
	n KEB Layout, B Block	1	50.00			50.00	
	Srinivasapura Ramappa layout	1	50.00			50.00	
	Total Quantity					250.00	mtr
	Quantity Carried to Summary					250.00	mtr

Executive Engineer
Yelahanka Division
B.B.M.P Bangalore-64

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

me of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at nahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

No.	31							
m ne:	e) 200.00 to 250.00 mtrs as per the Directions of Egineer In-Charge.							
NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Pre-Measurement Recorded On:								
ew Borewells								
Cross Road, Akash Vihar Layout		1	50.00			50.00		
At Burial Ground in Srinivasapura		1	50.00			50.00		
ichwa Vani Nagara Srinivasapura		1	50.00			50.00		
KEB Layout, B Block		1	50.00			50.00		
Srinivasapura Ponnappa layout		1	50.00			50.00		
	Total Quantity					250.00	mtr	
	Quantity Carried to Summary					250.00	mtr	

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

ame of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at enahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

e of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

No.	32							
m me:	f) 250.00 to 300.00 mtrs as per the Directions of Egineer In-Charge.							

NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
lew Borewells							
	Cross Road, Akash Vihar Layout	1	50.00			50.00	
	At Burial Ground in Srinivasapura	1	50.00			50.00	
	Vishwa Vani Nagara Srinivasapura	1	50.00			50.00	
	n KEB Layout, B Block	1	50.00			50.00	
	Srinivasapura Ramappa layout	1	50.00			50.00	
	Total Quantity					250.00	mtr
	Quantity Carried to Summary					250.00	mtr

Asst. Executive Engineer
Yelahanka Sub Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 -20-06-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	33							
Item Name:	g)300.00 to 350.00 mtrs as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For New Borewells							
	3rd Cross Road, Akash Vihar Layout	1	20.00			20.00	
	At Burial Ground in Srinivasapura	1	10.00			10.00	
	Vidhwa vani Nagara Srinivasapura	1	8.00			8.00	
	In KEB Layout, B Block	1	12.00			12.00	
	Srinivasapura Ramappa layout	1	10.00			10.00	
	Total Quantity					60.00	mtr
	Quantity Carried to Summary					60.00	mtr

Asst. Executive Engineer
Yelahanka Sub Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	34							
Item Name:	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.prices include Collar-Medium duty as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:							
For New Borewells							
	3rd Cross Road, Akash Vihar Layout	1	60.00			60.00	
	At Burial Ground in Srinivasapura	1	65.00			65.00	
	Vishwa Vani Nagara Srinivasapura R	1	60.00			60.00	
	In KEB Layout, B Block	1	55.00			55.00	
	Srinivasapura Ponnappa layout R	1	50.00			50.00	Failure.
	Total Quantity					290.00	mtr
	Quantity Carried to Summary					290.00	mtr

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 – 20-06-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	35							
Item Name:	Providing Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications, to work site as per necessary ammendments and instructions of engineer incharge of work. For 12.50 HP - 90 LPM @ 264 m = 24 STG Outlet Dia - 2.00" as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For New Borewells							
	3rd Cross Road, Akash Vihar Layout	1				1.00	
	At Burial Ground in Srinivasapura	1				1.00	
	Vidhwa Vani Nagara Srinivasapura	1				1.00	
	In KEB Layout, B Block	1				1.00	
	Total Quantity					4.00	Nos
	Quantity Carried to Summary					4.00	Nos

Executive Engineer
Yelahanka Division
B.B.M.P. Bangalore-64

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	36							
Item Name:	Supplying and Drawing 3 Core Flat PVC Shelted Submerisible Pump Cable Manufactured With Electrolytic grade copper with flexible copper conductor confirming to table 3 class 5of IS 8130-1984 and Virgin PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts as per IS-694:1990. 3C x 6.0Sqm as per the Directions of Egineer In-Charge.							
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**		**QTY**	**REMARKS**
Measurement Recorded On:								
For New Borewells								
	3rd Cross Road, Akash Vihar Layout							
	Ch 0.00 to 30.00m	2	30.00				60.00	
	Ch 30.00 to 60.00m	2	30.00				60.00	
	Ch 60.00 to 90.00m	2	30.00				60.00	
	Ch 90.00 to 120.00m	2	30.00				60.00	
	Ch 120.00 to 150.00m	2	30.00				60.00	
	Ch 150.00 to 180.00m	2	30.00				60.00	
	Ch 180.00 to 210.00m	2	30.00				60.00	
	Ch 210.00 to 240.00m	2	30.00				60.00	

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	Ch 150.00 to 180.00m	2	30.00			60.00	
	Ch 180.00 to 210.00m	2	30.00			60.00	
	Ch 210.00 to 240.00m	2	30.00			60.00	
	Ch 240.00 to 270.00m	2	30.00			60.00	
	In KEB Layout, B Block						
	Ch 0.00 to 30.00m	2	30.00			60.00	
	Ch 30.00 to 60.00m	2	30.00			60.00	
	Ch 60.00 to 90.00m	2	30.00			60.00	
	Ch 90.00 to 120.00m	2	30.00			60.00	
	Ch 120.00 to 150.00m	2	30.00			60.00	
	Ch 150.00 to 180.00m	2	30.00			60.00	
	Ch 180.00 to 210.00m	2	30.00			60.00	
	Ch 210.00 to 240.00m	2	30.00			60.00	
	Ch 240.00 to 260.00m	2	20.00			40.00	
					Total Quantity	2080.00	Mtr
					Upto 125%	1450.00	Mtr
					Above 125%	630.00	Mtr

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	37							
Item Name:	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50mm dia as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For New Borewells							
	3rd Cross Road, Akash Vihar Layout	1				1.00	
	At Burial Ground in Srinivasapura	1				1.00	
	Vidhwa Vani Nagara Srinivasapura	1				1.00	
	In KEB Layout, B Block	1				1.00	
	Total Quantity					4.00	Each
	Quantity Carried to Summary					4.00	Each

Asst. Executive Engineer
Yelahanka Sub. Division
(GBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	38							
Item Name:	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm as per the Directions of Egineer In-Charge.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For New Borewells							
	3rd Cross Road, Akash Vihar Layout	1				1.00	
	At Burial Ground in Srinivasapura	1				1.00	
	Vidhwa Vani Nagara Srinivasapura	1				1.00	
	In KEB Layout, B Block	1				1.00	
	Total Quantity					4.00	Each
	Quantity Carried to Summary					4.00	Each

Asst. Executive Engineer
Yelahanka
(BBMP Ynk.)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpers, Electrification in Reservoirs, Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward North of Yelahanka Sub Division

Measurement Sheet | [illegible]

Ist & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	39							
Item Name:	Supply and delivery at site wrought middle steel (galvanized) [illegible] 1239-II, 1991 with latest amendments if any. For [illegible] Directions of Egineer In-Charge.							
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
For New Borewells							
3rd Cross Road, Akash Vihar Layout		1				1.00	
At Burial Ground in Srinivasapura		1				1.00	
Vishwa Vani Nagara Srinivasapura		1				1.00	
In KEB Layout, B Block		1				1.00	
	Total Quantity					4.00	Each
	Quantity Carried to Summary					4.00	Each

[illegible]

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at ...genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 -20-06-24

1st & Final Bill

...me of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

...m No.	40							
Item Name:	Providing, Laying and Fixing of GI pipes conforming to IS 1239:1990 with latest amendments complete with GI fittings (excluding the cost of fittings) with cuts and threads wherever necessary, including testing for water tightness, with all lead and commissioning. (contractor will make his own arrangements for procuring water for testing) For:Heavy Duty GI Pipe etc. complete. Light Duty GI pipe of 50mm dia as per the Directions of Egineer In-Charge.							

L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
...r New Borewells							
	...rd Cross Road, Akash Vihar Layout	42	6.00			252.00	
	At Burial Ground in Srinivasapura	42	6.00			252.00	
	Vidhwa Vani Nagara Srinivasapura	45	6.00			270.00	
	In KEB Layout, B Block	44	6.00			264.00	
	Total Quantity					**1038.00**	**Rmtr**
	Quantity Carried to Summary					**1038.00**	**Rmtr**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

...ntractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at ngenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

me of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

m No.	41							
Item Name:	Supply and delivery at site wrought middle steel (galvanized) GI union confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union as per the Directions of Egineer In-Charge.							

L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
r New Borewells							
d Cross Road, Akash Vihar Layout		1				1.00	
At Burial Ground in Srinivasapura		1				1.00	
Vidhwa Vani Nagara Srinivasapura		1				1.00	
In KEB Layout, B Block		1				1.00	
	Total Quantity					4.00	Each
	Quantity Carried to Summary					4.00	Each

Asst. Executive Engineer
Yelahanka Sub
(BBMP Ynk
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 – 20-06-24

1st & Final Bill

me of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

m No.	42							

Item Name: Supply, installing,testing and commissioning COMMON control panel consisting of the following INCOMING:1 No set of Phase indicating lamps with SFU of suitable rating 1 No, Analog Ammeter, 1 No Analog Voltmeter 1ni with Phase selector switch, Isolating switch OUTGOING for Main Electrical Pump: 1 No. MCB 1 No. DOL of S/D Starter suitable for respective HP 1 No. Electrcal Protection Like single Phase preventor, under voltage over Volage, under current over current & dry run protection suitable for the pump described above 1 no Indoor type NOTE: 1) DOL- Direct Online Starter 2) S-D- Star Delta Starter etc. complete.6 to 15 HP pumps as per the Directions of Egineer In-Charge.

L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
r New Borewells							
d Cross Road, Akash Vihar Layout		1				1.00	
At Burial Ground in Srinivasapura		1				1.00	
Vidhwa Vani Nagara Srinivasapura		1				1.00	
In KEB Layout, B Block		1				1.00	
	Total Quantity					4.00	Each
	Quantity Carried to Summary					4.00	Each

Ramesarjeevial

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 -20-06-24

1st & Final Bill

me of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

m No.	43							

tem ame: Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work as per the Directions of Egineer In-Charge.

L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
New Borewells							
d Cross Road, Akash Vihar Layout		1				1.00	
At Burial Ground in Srinivasapura		1				1.00	
Vidhwa Vani Nagara Srinivasapura		1				1.00	
In KEB Layout, B Block		1				1.00	
	Total Quantity					**4.00**	**Job**
	Quantity Carried to Summary					**4.00**	**Job**

Ramasanjeevi
Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

me of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

m No.	44							
Item lame:	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws. F) 20" x 20" x 2.5" as per the Directions of Egineer In-Charge.							

L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
r New Borewells							
d Cross Road, Akash Vihar Layout		1				1.00	
At Burial Ground in Srinivasapura		1				1.00	
Vishwa Vani Nagara Srinivasapura		1				1.00	
In KEB Layout, B Block		1				1.00	
	Total Quantity					4.00	Each
	Quantity Carried to Summary					4.00	Each

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn.)
Yelahanka, Bangalore

ontractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-08-24

1st & Final Bill

me of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

m No.	45							
tem ame:	Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work as per the Directions of Egineer In-Charge.							
L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Measurement Recorded On:								
r New Borewells								
d Cross Road, Akash Vihar Layout		1				1.00		
At Burial Ground in Srinivasapura		1				1.00		
Vishwa Vani Nagara Srinivasapura		1				1.00		
In KEB Layout, B Block		1				1.00		
	Total Quantity					4.00	Job	
	Quantity Carried to Summary					4.00	Job	

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

me of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

m No.	46							

tem ame: Earthing: Suppluing and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts,nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia as per the Directions of Egineer In-Charge.

L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
r New Borewells							
d Cross Road, Akash Vihar Layout		1				1.00	
At Burial Ground in Srinivasapura		1				1.00	
Vidhwa vani Nagara Srinivasapura		1				1.00	
In KEB Layout, B Block		1				1.00	
	Total Quantity					4.00	Job
	Quantity Carried to Summary					4.00	Job

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

me of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

m No.	48							
tem ame:	Supply and delivery at site brand new best make starter/ control panel suitable for following HP centrifugal pump confirming with ISI mark and its latest amendments. 10 to 12 HP centrifugal pump as per the Directions of Egineer In-Charge.							

L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
New Borewells							
d Cross Road, Akash Vihar Layout		1				1.00	
At Burial Ground in Srinivasapura		1				1.00	
No.26 in Vishwa Yoni Nagara Srinivasapura		1				1.00	
In KEB Layout, B Block		1				1.00	
	Total Quantity					4.00	Each
	Quantity Carried to Summary					4.00	Each

Asst. Executive Engineer
Yelahanka Sub Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

me of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

m No.	49							
tem ame:	Yield testing of borewells at final depth with a minimum of 10 hours continuously with the help of pump testing unit including the cost of transportation charges, crew charges and cost of consumables as per the Directions of Egineer In-Charge.							
L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Measurement Recorded On:								
New Borewells								
d Cross Road, Akash Vihar Layout		1				1.00		
At Burial Ground in Srinivasapura		1				1.00		
Vishwa Vani Nagara Srinivasapura		1				1.00		
In KEB Layout, B Block		1				1.00		
	Total Quantity					4.00	Each	
	Quantity Carried to Summary					4.00	Each	

Asst. Executive Engineer
Yelahanka Sub Divn.
(BBMP Ynk. Zn.)
Yelahanka, Banga...

ntractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill 15-03-24 -20-06-24

me of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

m No.	50							
tem ame:	Supplying of TPST with rewirable porcelain channels in SM enclosure. Made out of 14 SWG powder coated paint of approved colour. 32A as per the Directions of Egineer In-Charge.							

L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
New Borewells							
	d Cross Road, Akash Vihar Layout	1				1.00	
	At Burial Ground in Srinivasapura	1				1.00	
	Vishwa Vani Nagara Srinivasapura	1				1.00	
	In KEB Layout, B Block	1				1.00	
	Total Quantity					4.00	Nos
	Quantity Carried to Summary					4.00	Nos

Asst. Executive Engineer
Yelahanka [illegible]. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill 15-03-24 - 20-06-24

me of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

n No.	51							

em me: Supplying and fixing LED Type panel board indicating lamp with required colour Suitable for 220 V AC 50Hz 12/24 V DC Group 'A' as per the Directions of Egineer In-Charge.

NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
New Borewells							
l Cross Road, Akash Vihar Layout		3				3.00	
At Burial Ground in Srinivasapura		3				3.00	
Vishwa Vani Nagara Srinivasapura		3				3.00	
In KEB Layout, B Block		3				3.00	
Total Quantity							
Quantity Carried to Summary						12.00	Each
						12.00	Each

Asst. Executive Engineer
Yelahanka Division
(BBMP)
Yelahanka, Bangalore.

ntractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 -20-06-24

1st & Final Bill

ne of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

n No.	52							
em ame:	Supplying & fixing of Porcelain fuse channel with cutout on existing wooden/panel using necessary nuts, bolts and washers as per the Directions of Egineer In-Charge.							
. NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Measurement Recorded On:								
New Borewells								
d Cross Road, Akash Vihar Layout		6				6.00		
At Burial Ground in Srinivasapura		6				6.00		
Vishwa Vani Nagara Srinivasapura		6				6.00		
In KEB Layout, B Block		6				6.00		
	Total Quantity					24.00	Each	
	Quantity Carried to Summary					24.00	Each	

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

me of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

m No.	53							
tem ame:	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. Flat.....with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40 x 40 x 6 mm as per the Directions of Egineer In-Charge. (Per leg 2. 5MtrX2 Nos legs)-5.00 Mtr Per Box							
L NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**REMARKS**	
Measurement Recorded On:								
r New Borewells								
d Cross Road, Akash Vihar Layout		1	5.00			5.00		
At Burial Ground in Srinivasapura		1	5.00			5.00		
Vishwa Vani Nagara Srinivasapura		1	5.00			5.00		
In KEB Layout, B Block		1	5.00			5.00		
	Total Quantity							
	Quantity Carried to Summary					**20.00**	**Rmtr**	
						20.00	**Rmtr**	

Ramasanjeeval

Asst. Executive Engineer
Yelahanka Sub Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at genahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet 15-03-24 - 20-06-24

1st & Final Bill

me of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

m No.	54							
Item Name:	Supplying Fully Automatic Star- Delta Starter Unit Push Button Type With Suitable Wires 3 Contractors, One Adjustable Thermal Timer Mounted on a Common Base Plate held in Steel Enclosure For Use on 400/440 Volts 3 Phase and Wired after Fixing to the Exisiting Wooden Board For Motor, Above 12.5 HP upto 25 HP as per the Directions of Egineer In-Charge.							

L NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
r New Borewells							
d Cross Road, Akash Vihar Layout		1				1.00	
At Burial Ground in Srinivasapura		1				1.00	
Vishwa Vani Nagara Srinivasapura		1				1.00	
In KEB Layout, B Block		1				1.00	
Total Quantity						4.00	Nos
Quantity Carried to Summary						4.00	Nos

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Yak. Zo)
Yelahanka, Bangalore

ntractor

Assistant Engineer

Assistant Executive Engineer

Name of Work: Drilling of Borewell and Erection of Pumpset, lectrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli lage Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

MEASUREMENT

"FIRST AND FINAL BILL"

e of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, lerohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Detailed Measurements								
Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Labour charges for Lifting of non functioning submersible pump set along with cable and GI pipes (Each length = 6m)). for 50 mm as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					3.00			
				Present Qty	**3.00**	**Job**	**259.36**	**778.08**
Labour charges for Erection of new / repaired submersible pump set along with GI pipes (32mm / 50mm), cable (New submersible pump set if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (Each length = 6 m)as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					3.00			
				Present Qty	**3.00**	**Job**	**211.79**	**635.37**
Fabricating supplying and mounting MS box made out 14SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete., as per the Directions of Egineer In-Charge.1200x850x2=2040000, 850x350x2=595000, (350+450)/2=400, 400x1200=480000, 480000x2=960000, 3595000/100=35950Sqcm								
Vide Premeasurement page no.					107850.00			
				Present Qty	**107850.00**	**Sqcm**	**0.51**	**55003.50**
Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. Flat.....with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40 x 40 x 6 mm as per the Directions of Egineer In-Charge. (Per leg 2. 5MtrX2 Nos legs)-5.00 Mtr Per Box								
Vide Premeasurement page no.					15.00			
				Present Qty	**15.00**	**Rmtr**	**314.03**	**4710.45**
Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws. F) 20" x 20" x 2.5" (as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					3.00			
				Present Qty	**3.00**	**Each**	**335.78**	**1007.34**
Supplying & fixing of Porcelain fuse channel with cutout on existing wooden/panel using necessary nuts, bolts and washers as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					3.00			
				Present Qty	**3.00**	**Each**	**412.87**	**1238.61**

actor

Asst.Engineer

Asst.Exec.Engineer

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Earthing: Suppluing and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts,nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					3.00			
				Present Qty	**3.00**	**Nos**	**3613.90**	**10841.70**
Providing Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications, to work site as per necessary ammendments and instructions of engineer incharge of work as per the Directions of Egineer In-Charge. 10.00 HP - 90 LPM @ 220 m = 20 STG Outlet Dia - 2.00" as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					3.00			
				Present Qty	**3.00**	**Nos**	**61851.37**	**185554.11**
Supply, installing,testing and commissioning COMMON control panel consisting of the following INCOMING:1 No set of Phase indicating lamps with SFU of suitable rating 1 No, Analog Ammeter, 1 No Analog Voltmeter 1ni with Phase selector switch, Isolating switch OUTGOING for Main Electrical Pump: 1 No. MCB 1 No. DOL of S/D Starter suitable for respective HP 1 No. Electrcal Protection Like single Phase preventor, under voltage over Volage, under current over current & dry run protection suitable for the pump described above 1 no Indoor type NOTE: 1) DOL- Direct Online Starter 2) S-D-Star Delta Starter etc. complete.6 to 15 HP pumps as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					3.00			
				Present Qty	**3.00**	**Each**	**18007.70**	**54023.10**
Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50mm dia as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					20.00			
				Present Qty	**20.00**	**Each**	**1415.70**	**28314.00**
Supply and delivery at site wrought middle steel (galvanized) GI union confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					20.00			
				Present Qty	**20.00**	**Each**	**302.39**	**6047.80**
Supply and delivery at site wrought middle steel (galvanized) GI elbow confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union as per the Directions of Egineer In-Charge..								
Vide Premeasurement page no.					20.00			
				Present Qty	**20.00**	**Each**	**302.39**	**6047.80**

actor

Asst.Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk)
Yelahanka, Bangalore

Asst.Exec.Engineer

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Supply and delivery at site wrought middle steel (galvanized) GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI hexagonal nipple as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					20.00			
				Present Qty	**20.00**	**Each**	**241.24**	**4824.80**
Cutting Asphalt /Concrete road surface using machine cutter for leakage pit with earth work excavation in all classifications of soil including all lead and lifts bailing out water with pumps including barricading, danger lighting etc., as per requirement and disposing of the excavated stuff as directed. After attending the leak, refilling the trench for 30 cm depth quarry dust above and around pipelines and balance with available earth in layers not exceeding 20 cms in depth, compacting Each deposited layer by ramming including watering and consolidation by mechanical means approved by Engineer Incharge. (Work to be carried out as per leak repair manual and the rate includes hire charges of dewatering Pump, tractor, Jeep with all kinds of Labour in a Complete manner) as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					166.14			
				Present Qty	**166.14**	**Cum**	**1310.37**	**217704.87**
Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. In all kinds of soils. Depth upto 1.50m as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					332.28			
				Present Qty	**332.28**	**Cum**	**548.16**	**182142.60**
Providing PVC ringtite pipes conforming to IS 985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. complete For: PVC pipes 50mm dia., 6 kg/sqcm & class 5 as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					1846.00			
				Present Qty	**1846.00**	**Rmtr**	**114.39**	**211163.94**

Asst.Engineer

Asst. Exec. Engineer
Yelahanka Sub Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst.Exec.Engineer

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m, and lift upto 1.5 m. Including cost of all labour complete as per specifications as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					254.75			
				Present Qty	**254.75**	**Cum**	**181.21**	**46162.89**
Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					110.76			
				Present Qty	**110.76**	**Cum**	**2898.22**	**321006.85**
Providing and laying in position Cement Concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates as per the directions of the Engineer-in-charge of the work as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					166.14			
				Present Qty	**166.14**	**Cum**	**7508.87**	**1247523.66**
Geophysical investigation at site for sinking borewells for Providing drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test. etc. complete as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					5.00			

actor

Asst.Engineer

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst.Exec.Engineer

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
				Present Qty	**5.00**	**Each**	**5988.98**	**29944.90**
Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) (Above 450m of drilling add 10% for every 50m depth) as per the Directions of Egineer In-Charge.a) 0.00 to 50.00 mtrs as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					250.00			
				Present Qty	**250.00**	**Rmtr**	**419.05**	**104762.50**
b) 50.00 to 100.00 mtrs as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					250.00			
				Present Qty	**250.00**	**Rmtr**	**525.51**	**131377.50**
c) 100.00 to 150.00 mtrs as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					250.00			
				Present Qty	**250.00**	**Rmtr**	**558.35**	**139587.50**
d) 150.00 to 200.00 mtrs as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					250.00			
				Present Qty	**250.00**	**Rmtr**	**647.82**	**161955.00**
e) 200.00 to 250.00 mtrs as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					250.00			
				Present Qty	**250.00**	**Rmtr**	**759.95**	**189987.50**
f) 250.00 to 300.00 mtrs as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					250.00			
				Present Qty	**250.00**	**Rmtr**	**838.09**	**209522.50**
g)300.00 to 350.00 mtrs as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					60.00			
				Present Qty	**60.00**	**Rmtr**	**983.06**	**58983.60**
Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.prices include Collar-Medium duty as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					290.00			
				Present Qty	**290.00**	**Rmtr**	**2189.24**	**634879.60**

actor

Asst.Engineer

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst.Exec.Engineer

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications, to work site as per necessary ammendments and instructions of engineer incharge of work. For 12.50 HP - 90 LPM @ 264 m = 24 STG Outlet Dia - 2.00" as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					4.00			
				Present Qty	**4.00**	**Nos**	**72658.81**	**290635.24**
Supplying and Drawing 3 Core Flat PVC Shelted Submerisible Pump Cable Manufactured With Electrolytic grade copper with flexible copper conductor confirming to table 3 class 5of IS 8130-1984 and Virgin PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts as per IS-694:1990. 3C x 6.0Sqm as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					2080.00			
				Present Qty	**2080.00**			
				Upto 125%	**1450.00**	**Rmtr**	**252.25**	**365762.50**
				Above 125%	**630.00**	**Rmtr**	**237.75**	**149781.24**
Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50mm dia as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					4.00			
				Present Qty	**4.00**	**Each**	**1415.70**	**5662.80**
Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					4.00			
				Present Qty	**4.00**	**Nos**	**1415.70**	**5662.80**
Supply and delivery at site wrought middle steel (galvanized) GI union confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					4.00			
				Present Qty	**4.00**	**Nos**	**302.39**	**1209.56**
Providing, Laying and Fixing of GI pipes conforming to IS 1239:1990 with latest amendments complete with GI fittings (excluding the cost of fittings) with cuts and threads wherever necessary, including testing for water tightness, with all lead and commissioning. (contractor will make his own arrangements for procuring water for testing) For:Heavy Duty GI Pipe etc. complete. Light Duty GI pipe of 50mm dia as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					1038.00			
				Present Qty	**1038.00**	**Rmtr**	**500.59**	**519612.42**
Supply and delivery at site wrought middle steel (galvanized) GI union confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI Union as per the Directions of Egineer In-Charge.								

actor

Asst.Engineer

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst.Exec.Engineer

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Vide Premeasurement page no.					4.00			
				Present Qty	**4.00**	**Each**	**302.39**	**1209.56**
Supply, installing,testing and commissioning COMMON control panel consisting of the following INCOMING:1 No set of Phase indicating lamps with SFU of suitable rating 1 No, Analog Ammeter, 1 No Analog Voltmeter 1ni with Phase selector switch, Isolating switch OUTGOING for Main Electrical Pump: 1 No. MCB 1 No. DOL of S/D Starter suitable for respective HP 1 No. Electrcal Protection Like single Phase preventor, under voltage over Volage, under current over current & dry run protection suitable for the pump described above 1 no Indoor type NOTE: 1) DOL- Direct Online Starter 2) S-D-Star Delta Starter etc. complete.6 to 15 HP pumps as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					4.00			
				Present Qty	**4.00**	**Each**	**18007.70**	**72030.80**
Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					4.00			
				Present Qty	**4.00**	**Job**	**7361.64**	**29446.56**
Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws. F) 20" x 20" x 2.5" as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					4.00			
				Present Qty	**4.00**	**Each**	**335.78**	**1343.12**
Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					4.00			
				Present Qty	**4.00**	**Job**	**1642.21**	**6568.84**
Earthing: Suppluing and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts,nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					4.00			
				Present Qty	**4.00**	**Job**	**3613.90**	**14455.60**

actor

Asst.Engineer

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst.Exec.Engineer

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Supply and delivery at site brand new best make starter/ control panel suitable for following HP centrifugal pump confirming with ISI mark and its latest amendments. 10 to 12 HP centrifugal pump as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					4.00			
					4.00	**Each**	**40375.76**	**161503.04**
Yield testing of borewells at final depth with a minimum of 10 hours continuously with the help of pump testing unit including the cost of transportation charges, crew charges and cost of consumables as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					4.00			
					4.00	**Each**	**18467.52**	**73870.08**
Supplying of TPST with rewirable porcelain channels in SM enclosure. Made out of 14 SWG powder coated paint of approved colour. 32A as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					4.00			
					4.00	**Nos**	**1751.35**	**7005.40**
Supplying and fixing LED Type panel board indicating lamp with required colour Suitable for 220 V AC 50Hz 12/24 V DC Group 'A' as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					12.00			
					12.00	**Nos**	**530.24**	**6362.88**
Supplying & fixing of Porcelain fuse channel with cutout on existing wooden/panel using necessary nuts, bolts and washers as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					24.00			
					24.00	**Each**	**412.87**	**9908.88**
Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. Flat.....with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40 x 40 x 6 mm as per the Directions of Egineer In-Charge. (Per leg 2. 5MtrX2 Nos legs)-5.00 Mtr Per Box								
Vide Premeasurement page no.					20.00			
					20.00	**Rmtr**	**314.03**	**6280.60**
Supplying Fully Automatic Star- Delta Starter Unit Push Button Type With Suitable Wires 3 Contractors, One Adjustable Thermal Timer Mounted on a Common Base Plate held in Steel Enclosure For Use on 400/440 Volts 3 Phase and Wired after Fixing to the Exisiting Wooden Board For Motor, Above 12.5 HP upto 25 HP as per the Directions of Egineer In-Charge.								
Vide Premeasurement page no.					4.00			
					4.00	**Nos**	**9023.41**	**36093.64**

ractor

Asst.Engineer

Asst. Executive Engineer
Yelaha... ...D. Divisor
(... ...nk. Zn)
Yelahanka, Bangalore

Asst.Exec.Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet — 02-08-24

1st & Final Bill

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	8									
Item Name:	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 as per the Directions of Egineer In-Charge.									
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**Unit**	**Rate**	**Amount**
Measurement Recorded On:									
For Existing Borewell									
	Nagenahalli at RO Plant	1				1.00			
	ISRO Layout Phase II	1				1.00			
	1st Cross Road, Kechenahalli	1				1.00			
	Total Quantity					3.00	Each	3179.40	9538.20

Asst. Executive Engineer
Yelahanka Sub. Div.
(BBMP Ynk Zone)
Yelahanka, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Drilling of Borewell and Erection of Pumpset, Electrification to Borewell at Nagenahalli, Herohalli, Kenchanahalli Village Areas in Kempegowda Ward No.01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill 02-08-24

Name of Agency: Sri. Shadyan (Sadian) (Ganesh Engineering Works)

Item No.	47									
Item Name:	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 as per the Directions of Egineer In-Charge.									
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	Unit	Rate	Amount	
Measurement Recorded On:										
For New Borewells										
	3rd Cross Road, Akash Vihar Layout	1				1.00				
	At Burial Ground in Srinivasapura	1				1.00				
	Vishwa Vani Nagara Srinivasapura	1				1.00				
	In KEB Layout, B Block	1				1.00				
					Total Quantity	4.00	Each	3179.40	12717.60	
							Sub Total		6032393.43	
							GST 18%		1085830.82	
							Bescom Charges		86000.00	
							Grand Total		7204224.25	

Asst. Executive Engineer
Yelahanka Sub
(BBMP Yn)
Yelahanka, Ban

05/08/2024

Contractor

Assistant Engineer

Assistant Executive Engineer